

Listing of Claims:

1. (Original) A dental video camera comprising:
  - a. a housing having an elongated cavity having a proximal end and a distal end;
  - b. a fixed lens system disposed within said elongated cavity;
  - c. an adjustably focusing lens and CCD camera system disposed within said elongated cavity, said adjustably focusing lens and CCD camera system including:
    - i. a sleeve slidably coupled to said housing within said elongated cavity whereby said sleeve is able to move laterally back and forth;
    - ii. an adjustable fixed lens system disposed within said sleeve; and
    - iii. a charge-coupled device disposed within said sleeve whereby said sleeve laterally moves said adjustable focusing lens and CCD camera system back and forth in order to change the position of said adjustably focusing lens and CCD camera system with respect to said fixed lens system thereby changing the field of focus;
  - d. a mechanism coupled to said housing whereby said mechanism bi-directionally drive said sleeve laterally to produce back and forth lateral movements; and
  - e. a plurality of lamps mechanically coupled to said housing at said distal end.
2. (Original) A dental video camera according to claim 1 wherein said dental video camera includes a pentaprism which optically couples said adjustably focusing lens and CCD camera system to said fixed focusing lens system and which is disposed in said elongated cavity of said housing at said distal end.
3. (Currently amended) [[The]] A dental video camera according to claim

- 1 wherein each of said lamps comprises a light emitting diode.
4. (Currently amended) ~~[[The]]~~ A dental video camera according to claim 1 wherein each of said lamps comprises a white light emitting diode.
5. (Currently amended) ~~[[The]]~~ A dental video camera according to claim 1 wherein said dental video camera comprises:
- a. a battery disposed in said housing; and
  - b. a transmitter disposed in said housing whereby said transmitter transmits the video output of said dental video camera.
6. (Original) A dental video camera comprising:
- a. a housing having an elongated cavity having a proximal end and a distal end;
  - b. an fixed lens system disposed within said elongated cavity;
  - c. an adjustable CCD camera system disposed within said elongated cavity, said adjustable CCD camera system including:
    - i. a sleeve slidably coupled to said housing within said elongated cavity whereby said sleeve is able to move laterally back and forth; and
    - ii. a charge-coupled device disposed within said sleeve whereby said sleeve laterally moves said CCD camera system back and forth in order to change the position of said charge coupled device with respect to said fixed lens system thereby changing the field of focus;
  - d. a mechanism coupled to said housing whereby said mechanism bi-directionally drive said sleeve laterally to produce back and forth lateral movements; and
  - e. a plurality of lamps mechanically coupled to said housing at said distal end.
7. (Original) A dental video camera according to claim 6 wherein said dental video camera includes a pentaprism which optically couples said adjustable CCD camera system to said fixed focusing lens system and

which is disposed in said elongated cavity of said housing at said distal end.

8. (Currently amended) [[The]] A dental video camera according to claim 6 wherein each of said lamps comprises a light emitting diode.

9. (Currently amended) [[The]] A dental video camera according to claim 6 wherein each of said lamps comprises a white light emitting diode.

10. (Currently amended) [[The]] A dental video camera according to claim 6 wherein said dental video camera comprises:

- a. a battery disposed in said housing; and
- b. a transmitter disposed in said housing whereby said transmitter transmits the video output of said dental video camera.

11. (New) A dental video camera according to claim 1 wherein said dental video camera includes:

- a. a plurality of external switches mechanically coupled to said housing; and
- b. a cable having a plurality of wires each of which connect each of said switches to one of a Markush group of electronic devices that consists of a video processor, a recording device and a thermal printer.

12. (New) A dental video camera according to claim 1 wherein said dental video camera also includes:

- a. a plurality of external switches mechanically coupled to said housing;
- b. a multiple-pin male connector having a plurality of pins and mechanically coupled to said housing wherein each of said pins is electrically coupled to one of said external switches;
- c. a female multiple-pin connector having a plurality of pins and mechanically coupled to said multiple-pin male connector; and

d. a cable having a plurality of wires each of which is electrically connected to one of said pins of said multiple-pin female connector wherein each of said wires is electrically to one of a Markush group of electronic devices that consists of a video processor, a recording device and a thermal printer.

13. (New) A dental video camera according to claim 6 wherein said dental video camera includes:

- a. a plurality of external switches mechanically coupled to said housing; and
- b. a cable having a plurality of wires each of which connect each of said switches to one of a Markush group of electronic devices that consists of a video processor, a recording device and a thermal printer.

14. (New) A dental video camera according to claim 6 wherein said dental video camera also includes:

- a. a plurality of external switches mechanically coupled to said housing;
- b. a multiple-pin male connector having a plurality of pins and mechanically coupled to said housing wherein each of said pins is electrically coupled to one of said external switches;
- c. a female multiple-pin connector having a plurality of pins and mechanically coupled to said multiple-pin male connector; and
- d. a cable having a plurality of wires each of which is electrically connected to one of said pins of said multiple-pin female connector wherein each of said wires is electrically to one of a Markush group of electronic devices that consists of a video processor, a recording device and a thermal printer.